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AUG 11 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Tyler Sims

Serial No.: 10/712701

Examiner: Mruk, Geoffrey S.

Filing Date: November 13, 2003

Group Art Unit: 2853

Title: Resistor Shapes For Heating Devices On An Integrated Circuit

COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria VA 22313-1450

Sir:

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Response/Amendment | <input type="checkbox"/> Petition to extend time to respond |
| <input type="checkbox"/> New fee as calculated below | <input type="checkbox"/> Supplemental Declaration |
| <input type="checkbox"/> No additional fee (Address envelope to "Mail Stop Amendments") | |
| <input type="checkbox"/> Other: | (Fee \$ _____) |

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	9	MINUS	20	= 0	X 50	\$ 0
INDEP. CLAIMS	1	MINUS	3	= 0	X 200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ 360	\$ 0
EXTENSION FEE	1 ST MONTH 120.00	<input type="checkbox"/>	2 ND MONTH 450.00	<input type="checkbox"/>	3 RD MONTH 1020.00	<input type="checkbox"/>
					4 TH MONTH 1590.00	<input type="checkbox"/>
					OTHER FEES	\$ 0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this transmittal letter is enclosed.

Respectfully submitted,

Tyler Sims

By

Pamela Lau KeePamela Lau Kee
Attorney/Agent for Applicant(s)

Reg. No. 36,184

Date: 11 August 2005

Telephone No. 408 553 3059

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below:

Date of facsimile: 11 August 2005

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<input type="checkbox"/> I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450	<input checked="" type="checkbox"/> I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on the date shown below.
Date of Deposit: Typed Name: Signature:	Date of Facsimile: <i>11 August 2005</i> Typed Name: Ann Marie Radcliffe Signature: <i>Ann Marie Radcliffe</i>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Tyler Sims**Examiner:** Mruk, Geoffrey S**Serial No.:** 10/712,701**Group Art Unit:** 2853**Filing Date:** 11/13/2003**Title:** Resistor Shapes For Heating Devices On An Integrated Circuit

Sir:

In an Office Action dated 28 July 2005 having a 30 day statutory period of response expiring 27 August 2005, the Examiner has asked the applicants to elect one of the following species:

Species 1: Claims 1-9, drawn to a heating device within an integrated circuit comprising: a first conductive lead; a second conductive lead; a third conductive lead; a first resistive region connected between the first conductive lead and the third conductive lead; and a second resistive region connected between the second conductive lead and the third conductive lead

Species 2: Claims 10-13, drawn to a heating device comprising: a first region formed from bottom layer of resistive material; a second region and a third region formed from the middle layer of resistive material; and a fourth region and a fifth region formed from a top layer of conductive material

Species 3: Claims 14-20, drawn to a heating device with an integrated circuit, comprising: a first conductive lead; a second conductive lead; a third conductive lead; a fourth conductive lead; a first resistive region connected between the first conductive lead and the third conductive lead; and a second resistive region connected between the second conductive lead and the fourth conductive lead

Applicants elect Species 1. The pending claims are presented herein.